

Climatological Data for September, 1910.

DISTRICT No. 2, SOUTH ATLANTIC AND EAST GULF STATES.

CHARLES F. VON HERRMANN, District Editor.

GENERAL SUMMARY.

The month of September, 1910, presented the usual pleasant features that characterize autumn weather in the South Atlantic and east Gulf States. Generally the month was quite warm and dry, with a fairly high percentage of sunshine and light northeasterly winds. The temperature was above normal at almost all stations, except in southern Florida, while the precipitation was generally deficient and irregularly distributed.

The arrangement of pressure during the month gave no indication of a return to the more active atmospheric circulation characteristic of the late fall and winter months; the areas of low pressure were ill-defined and their courses difficult to trace, and accordingly the lowest pressure occurred on different dates in various portions of the district. Under the influence of a moderate disturbance central over the Lakes, accompanied by general rains from the 1st to 3d, the lowest atmospheric pressure occurred on the 3d in Virginia and North Carolina, while in South Carolina, Georgia, and Alabama the lowest was generally recorded on the 20th or 21st, and in Florida and Mississippi on the 25th or 26th. The lowest pressure reduced to sea level was 29.87 inches on the 21st at Montgomery, Ala., and on the 25th at Jupiter and Key West, Fla. On the other hand the areas of high pressure were more distinct and persistent and were generally associated with clear skies and pleasant weather. The area of high barometer that moved from South Dakota southeastward over the district from the 13th to 18th brought the first period of cooler weather for the season. From Georgia northward the maximum pressure occurred on the 12th, and in the Gulf States on the 6th or 7th. The highest was 30.30 inches at Lynchburg, Va., on the 12th.

The weather for the month was very favorable for outdoor work and for maturing crops, but in many sections the ground was too dry for fall seeding. There were few severe storms, the winds were light, and heavy rains were reported at but few places. As a whole, the temperature conditions indicate the late advent of autumn as compared with last year.

TEMPERATURE.

The temperature during the month of September was above normal throughout nearly the entire district, except in the southern portion of Florida, and a few places in the mountainous sections. The excess gradually increased from Florida and the coast line toward the interior, the monthly means ranging from 3° to 4° above normal at points in the northern portion of the Gulf States. This caused a far more uniform and smaller gradient in the monthly means from south to north than is usually the case. The greatest excess at any regular Weather Bureau station was 4.5° at Meridian, Miss. The departure for most of the district averaged $+1.7^{\circ}$, but in Alabama it rose to $+2.5^{\circ}$ and in Mississippi to nearly $+3.0^{\circ}$. In some sections the state means were very high as compared with previous records. In Mississippi the mean for September this year has been exceeded but once in 22 years, and the mean for Georgia has been exceeded but three times during the past 19 years.

The month opened with rising temperature and the first period of warm weather prevailed from the 5th to the 8th, during which the temperature rose above 90° at a large number of stations. A period of warm weather occurred as late as the 21st to 23d. During both of these warm spells the highest temperatures experienced during the summer were recorded at many places, notably in Georgia, where over 20 stations registered the highest temperatures for the year. A maximum of 95° was reached in Virginia, 97° in North Carolina, and in all other States the extremes exceeded 100° . At Florence, S. C., 103°

was registered on the 7th, the highest temperature recorded in South Carolina during September since 1896. In Georgia the maximum for the State, 103° at Blakely and Eastman, has been exceeded but twice in September since 1892. At the end of the first decade a period of comparatively pleasant, moderately cooler weather began, which culminated in a moderate cold spell, lasting from about the 15th to the 20th, the 16th, 17th, and 18th being the coldest days for the month, with minimum temperatures below 40° in Virginia and North Carolina, and ranging from 43° to 48° in other parts of the district. The weather, however, was not cool enough for even a touch of frost in any portion of the district, while in September, 1909, light frosts were general over the district on the 28th and 29th, extending even into northern Florida.

The following statistical data show in a concise way the range of temperature conditions throughout the district. The mean for the entire district, determined from the records of 338 stations, was 76° . The state means ranged from 71.5° for Virginia to 79.3° for Florida. The highest monthly means at individual stations ranged from 74.8° at Newport News, Va., to 81.8° at Clermont and Live Oak, Fla.; and the lowest means varied from 76.8° at Booneville, Miss., to 62.6° at Hot Springs, Va. Monthly mean temperatures exceeding 80° occurred at 16 stations in Florida and at one each in Georgia and Alabama. The highest for the district was 103° at Florence, S. C., and Eastman, Ga., on the 7th, and at Blakely, Ga., on the 7th, 8th, and 9th. The lowest was 38° at Hot Springs, Va., on the 16th. Mount Airy, N. C., registered 39° on the 8th, while at all other points the minimum temperatures were above 40° .

PRECIPITATION.

The precipitation for September was below the normal in all States comprised in the district, the State averages showing a comparatively small range from 2.03 inches for Virginia to 3.22 inches for Florida. The deficiency was greatest in Florida (-4.18 inches) and least in Alabama (-0.58 inch). The average for the entire district was 2.68 inches, or 1.50 inch below normal. At a large majority of stations the monthly totals ranged from 1 to 4 inches; the number of places receiving less than 1 inch was 50, more than 6 inches only 16. The distribution of precipitation was irregular, especially in Georgia, Alabama, and Mississippi. The most general rains fell from the 1st to the 3d in the northern and from the 1st to 6th in the western portions of the district, while on other dates centering chiefly about the 9-11th, 22-23d, and 29-30th, scattered showers occurred at widely-separated stations. The longest period of fair weather prevailed from the 16th to 19th in the north and from the 16th to 21st in the south and west portions, but in Georgia drought prevailed from the 10th to the 29th over the northern half of the State, many places being without appreciable rainfall during that period.

The areas in which the rainfall was above the normal were very limited in extent. In North Carolina a moderate excess was noted in the west from Mount Holly northeast to Reidsville, and in the east from Goldsboro to Greenville; in South Carolina the precipitation was above normal over the central and extreme eastern portions; in other States the excess was limited to one or two stations that received local heavy rains, as in Georgia at Lafayette, in Alabama at Bermuda and in Mississippi on the coast between the mouths of the Pearl and Alabama rivers. A considerable excess also occurred in Florida from Key West northeast to Arcadia and at Homestead. The greatest deficiencies in rainfall occurred over the central portion of the peninsula of Florida.

The greatest monthly precipitation in the district was 10.35 inches at Homestead, Fla., which was the only station reporting as much as 10 inches. Pascagoula, Miss., received 8.24 and Lafayette, Ga., 7.30 inches. The least monthly rainfall was 0.22 inch at Aberdeen, Miss., closely followed by Columbia, Va., with 0.23, and Dadeville, Ala., with 0.30. Excessive precipitation occurred at but few places during the month; the following are the most important records: Danville, Va., reported 2.68 inches in 24 hours on the 2-3d; at Greenville, N. C., 4.34 inches fell in 10 hours on the 9-10th, the heaviest rainfall on record at that station; at Willard, N. C., 2.08 inches fell in 30 minutes on the 24th; Allendale, S. C., reported 4.00 inches on the 30th and Clemson College 4.31 on the 1st; Adairsville, Ga., 4.02 inches on the 1st and Lafayette 3.15 on the 8-9th; the maximum fall in Florida was 3.88 inches at Switzerland on the 26th; in Alabama, 3.37 at Bermuda on the 5th; and in Mississippi, 4.15 at Pascagoula on the 9th. The average number of days with rain was 7. A moderate number of thunderstorms occurred, and hail was reported at a few points.

RIVER CONDITIONS.

At the beginning of the month the rivers in the district were all rising under the influence of the general rains from the 1st to 3d, but as the remainder of the month was relatively very dry low stages prevailed throughout most of the month, and river conditions presented no features of special interest. A moderate rise occurred on the Roanoke River at Weldon, N. C., on the 5th, for which warnings were issued for the benefit of railroad bridge builders at that point. The rivers reached flood stages in the Wateree at Camden, S. C., on the 3d and in the Santee at Ferguson and Rinini on the 7th and 8th, but no damage of any kind resulted. River stages were below the normal in the rivers of Georgia, Alabama, and Mississippi during nearly the entire month.

MISCELLANEOUS PHENOMENA.

The prevailing winds in the district were from the northeast in all States, except Alabama and Mississippi, where they were from the east and north, respectively. The wind movement was small everywhere in the district. An average hourly velocity exceeding 10 miles occurred only at Hatteras, N. C. (average hourly velocity 13.8 miles), and at Pensacola, Fla. (10.7 miles). These two stations were also the only ones that reported maximum velocities exceeding 40 miles, viz: Hatteras, 44 miles from the northwest on the 14th, and Pensacola, 48 miles from the southeast on the 12th. The number of clear days was uniformly about 16 in all portions of the district, the number of cloudy days but 5; in South Carolina and Florida there were on the average but 3 cloudy days. No local storms of sufficient importance to deserve special mention were reported during September.

AVERAGE STREAM FLOW OF THE SANTEE RIVER SYSTEM IN SOUTH CAROLINA.

By J. W. BAUER, Section Director, Columbia, S. C.

The fan-shaped catchment basin of the group of rivers that empty into the Atlantic Ocean near Georgetown, S. C., through the Santee River, and commonly known as the Santee River system, includes the principal and by far the most numerous water-power sites in South Carolina. The system is composed of three main tributaries; namely, the Catawba-Wateree, Broad, and Saluda. The Catawba-Wateree on the north has a total length from its source to the ocean of 385 miles; the Broad, with its numerous small tributaries occupying the central position, is 307 miles long from its source to the ocean; the Saluda on the south occupies a much narrower valley, and has a length of 319 miles from its source to the ocean.

The Congaree, carrying the united waters of the Broad and the Saluda rivers, is about 52 miles long, but drains a comparatively small territory and has no water-power sites. The Santee River forms the handle of the fan-shaped basin and drains a strip of low-lying land about 119 miles long, and at no point over .30 miles wide, but as it carries the water of three fairly large rivers its discharge is always considerable, and at times of flood stages in its tributary rivers the volume of its discharge is very great. It has no power sites. On the Catawba River the principal water-power sites are located between the State line and Camden, S. C., the latter being the place where the river changes its name to Wateree. From Camden, S. C., to the mouth of the river there are no water-power sites. On the Broad River the power sites lie between the State line and Columbia, S. C., and on the Saluda River between Greenville, S. C., and Columbia, S. C. Many of the larger tributaries of these three rivers also afford water-power sites of considerable developed and estimated horsepower. Much of the potential power has been developed in recent years, mainly as large projects, but smaller potentialities on each of these rivers and their main tributaries still await development. Power to the amount of 165,803 horsepower has already been developed, distributed as follows: on the Catawba, 90,000; on the Broad, 54,813, and on the Saluda, 19,650. The Congaree is credited with 1,340 horsepower, but this properly belongs to the Broad River.

The variations in the flow of these rivers has been measured by gages on all the rivers in recent years, but only at Columbia, S. C., on the Congaree, Mount Holly, N. C., and Camden, S. C., on the Catawba-Wateree, and at St. Stephens, S. C., on the Santee, does the elapsed time since gage readings were begun afford reliable mean stage results, or establish with even approximate accuracy the relative frequency of flood stages or of extreme low water stages. The mean stages by months for each river gage station are given in the following tables:

Mean stages of the Saluda River.

PELZER, S. C.

This station is 109 miles above Columbia, S. C., at the mouth of the river. Length of record, 4 years. Flood stage, 7 feet. Drainage basin, 454 square miles.

Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
4.2	4.5	4.4	3.9	3.9	3.8	3.6	3.6	3.6	3.6	3.2	3.8

CHAPPELS, S. C.

This station is located 56 miles above Columbia, S. C., at the mouth of the river. Length of record, 5 years. Flood stage, 14 feet. Drainage basin, 1,318 square miles.

Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
6.1	6.4	5.9	4.5	4.6	5.3	5.9	4.8	4.1	3.4	3.1	5.4

Mean stages of the Broad River.

BLAIRS, S. C.

This station is located 36 miles above Columbia, S. C., at the mouth of the river. Length of record, 5 years. Flood stage, 14 feet. Drainage basin, 4,580 square miles.

Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
3.3	3.1	4.0	1.8	2.2	2.6	2.5	3.2	1.8	1.2	1.6	2.6

Mean stages of the Congaree River.

COLUMBIA, S. C.

This station is 52 miles above the junction of the Congaree and Wateree rivers. Length of record, 18 years. Flood stage, 15 feet. The drainage area above the station is 7,972 square miles.

Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
2.9	4.4	3.6	2.7	1.8	2.6	1.9	2.8	1.8	1.2	1.3	2.1

TABLE 1—Climatological data for September, 1910. District No. 2, South Atlantic and east Gulf States.

Stations.	Counties.	Elevation feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.				Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, .01 inch or more.	Number of partly cloudy days.	Number of clear days.				
Virginia.																					
Arvonia.	Buckingham.	350	6	71.2	+ 2.0	93	6	43	16	36	1.59	- 2.12	0.90	0.0	6	13	14	3	s.	Rev. P. F. Jones.	
Ashland.	Hanover.	231	19	71.5	+ 2.0	94	6	47	18	33	2.36	- 1.12	1.43	0.0	4	6	20	4	n.	E. L. C. Scott.	
Buchanan.	Botetourt.	820	6								2.50	- 1.02	1.16	0.0	6					D. D. Booze.	
Callville.	Brunswick.	250	16	72.8	+ 3.0	93	6	45	18	29				0.0					F. M. Gage.		
Cape Henry.	Princess Anne.	20	36	73.6	+ 1.8	94	6	57	19	19	0.69	- 3.39	0.39	0.0	5	17	7	6	sw.	U. S. Weather Bureau.	
Charlottesville.	Albermarle.	800	21	71.4	+ 3.4	93	6	51	17	26	1.78	- 2.96	0.64	0.0	10	11	11	8	ne.	Leander McCormick.	
Clarksville.	Mecklenburg.	16									1.71		0.54	0.0	7					J. Henry Ligon.	
Columbia.	Fluvanna.	246	12	70.8		91	6	43	18	35	0.23	- 2.33	0.12	0.0	4	17	7	6	ne.	Chesapeake & Ohio R. R.	
Danville.	Pittsylvania.	413	10								5.24		2.68	0.0	4					Virginia Experiment Sta.	
Diamond Springs.	Princess Anne.	20		73.8		95	6	50	18	28	1.04		0.67	0.0	6	20	4	6		Hampton Institute.	
Hampton.	Elizabeth City.	5	27	74.1	+ 1.0	92	7	56	18	20	1.32	- 1.78	0.62	0.0	5	13	10	7	sw.	James P. Scott.	
Hot Springs.	Bath.	2,185	18	62.6	- 0.1	82	6	38	16	33	2.96	- 0.80	0.75	0.0	10	16	9	5	sw.	N. & W. Ry., Exp. Farm.	
Ivor.	Southampton.	87	1	72.2		94	6	45	15	35	1.70		1.40	0.0	4	22	4	4		T. J. Davis.	
Lassiter.	Goochland.	100									2.35		1.10	0.0	4	23	4	3		Virginia Military Institute.	
Lexington.	Rockbridge.	1,080	33	69.7	+ 3.3	93	6	38	16	38	0.74	- 3.21	0.52	0.0	9	23	4	3		U. S. Weather Bureau.	
Lynchburg.	Campbell.	635	39	70.9	+ 2.2	93	6	44	18	34	3.19	- 0.57	2.10	0.0	10	16	9	5	sw.	Miss J. L. Martin.	
New Castle.	Craig.	1,300									3.34		1.14	0.0	5					Central State Hospital.	
Newport News.	Warwick.	55	7	74.8		94	6	58	15	23	1.61		0.82	0.0	6	15	8	7	ne.	W. B. Sniffen.	
Norfolk.	Norfolk.	91	40	73.4	+ 1.7	92	6	58	18	20	1.89	- 2.96	0.72	0.0	6	15	7	8	e.	U. S. Weather Bureau.	
Petersburg.	Dinwiddie.	60	23	75.0 ^a	+ 3.8	93	6	48	18	26	2.12	- 1.60	1.20	0.0	3					W. B. Spencer.	
Randolph.	Charlotte.	334	6								3.52		1.46	0.0	8					G. W. B. Hale.	
Richmond.	Henrico.	144	31	71.8	+ 1.0	93	6	48	18	30	1.07	- 2.36	0.39	0.0	9	7	12	11	ne.	State Experiment Farm.	
Rocky Mount.	Franklin.	1,150	16	69.4	- 1.3	92	6	42	17	34	4.67	+ 1.25	1.23	0.0	10					B. W. Jones.	
Saxe.	Charlotte.	350	7	72.0		95	6	40	18	41	1.56		0.69	0.0	4	18	5	7	ne.	Eastern State Hospital.	
Spottsylvania (near).	Surrey.	15	22	71.2	+ 1.2	93	6	45	18	30	1.29	- 2.09	0.90	0.0	5	12	10	8	sw.		
Williamsburg.	James City.	70	19	73.4 ^b	+ 4.3	94	6	51	18	27	1.25	- 2.82	0.65	0.0	3						
North Carolina.																					
Beaufort.	Carteret.	10	8	76.8		95	7	60	17	18	2.20		0.70	0.0	13	19	5	6	sw.	H. D. Aller.	
Belhaven.	Beaufort.	4	1	75.3		95	6	54	17	29	5.98		3.60	0.0	6	19	2	9	w.	W. S. Hopkins.	
Brewers.	Wilkes.	1,950	13	70.6	+ 1.4	91	6	42	17	41	1.96	- 2.61	0.90	0.0	9	8 ^b	15 ^b	5 ^b	w.	W. L. Brewer.	
Caroelen.	Rutherford.	806	10	73.2	+ 1.2	93	6	48	17	34	2.23	- 1.79	0.75	0.0	8	12	15	3	sw.	S. B. Tanner.	
Chalybeate Springs.	Harnett.	500	4	71.8		93	9	43	18	35	6.19		3.38	0.0	9	20	6	4	ne.	J. A. Smith.	
Chapel Hill.	Orange.	500	52	73.0 ^a	+ 1.5	94	7	48	18	30 ^c				0.0					Prof. A. H. Patterson.		
Charlotte.	Mecklenburg.	773	34	73.1	+ 2.4	90	6	51	16	26	2.89	- 0.33	0.96	0.0	11	10	15	5	nc.	U. S. Weather Bureau.	
Chimney Rock.	Rutherford.	1,150	1	71.9		90	6 ^d	48	17	31 ^d	3.34		1.16	0.0	10	14	13	3	w.	J. M. Flack.	
Clinton.	Sampson.	156	3																W. T. Boyette.		
Durham (near).	Durham.	406	1								1.78		1.06	0.0	4					Supt. Durham Water Co.	
Eagleton.	Northampton.	66	5	73.3		93	6	51	18	28	0.73		0.23	0.0	5	18	11	1	sw.	J. T. Elliott.	
Edenton.	Chowan.	30	16	71.6	- 0.5	91	5 ^d	50	18	31	2.45	- 0.60	1.20	0.0	4	16	5	9	ne.	E. R. Conger.	
Enfield (near).	Halifax.	99									1.93		0.98	0.0	5					T. S. Inboden.	
Fayetteville.	Cumberland.	170	23	75.1	+ 2.1	95	9	50	17	31	2.47	- 1.83	0.83	0.0	8					Frank Glover.	
Goldsboro.	Wayne.	102	40	72.9	+ 0.1	90	6 ^d	51	18	31	1.49	- 0.60	1.02	0.0	5					Mrs. N. B. Taylor.	
Graham.	Alamance.	656	8								1.15		0.35	0.0	7					Dr. W. R. Goley.	
Greenville.	Guildford.	843	29	73.2	+ 2.2	93	6	47	17	23	3.20	- 0.23	1.62	0.0	5					A. R. Horry.	
Hatteras.	Pitt.	75	17								6.08	- 1.11	4.34	0.0	7					R. M. Hearne.	
Henderson.	Dare.	11	36	75.8	+ 1.1	87	8	64	19	14	2.60	- 2.73	1.86	0.0	6	14	14	2	ne.	U. S. Weather Bureau.	
Kinston.	Vance.	508	17	71.6	- 0.5	90	6	47	17	25	1.49	- 2.04	0.37	0.0	8	13	12	5	ne.	Enoch Powell.	
Lenoir.	Lenoir.	46	12	75.1	+ 1.9	95	6	51	17	28	2.99	+ 0.47	1.56	0.0	6	10	12	8	n.	H. C. V. Peebles.	
Lexington.	Caldwell.	1,186	37	71.6	+ 4.0	92	5 ^d	41	18	41	1.37	- 3.21	0.45	0.0	7	24	5	1	s.	G. M. Goforth.	
Lincolnton.	Davidson.	810	9																H. R. Berrier.		
Louisburg.	Lincoln.	994	5	70.8		91	6	44	18	33	4.77		2.06	0.0	9	19	6	5	w.	S. P. Houser.	
Lumberton.	Franklin.	375	19	71.8	+ 0.6	90	6	48	19	26	2.49	- 0.81	0.73	0.0	5	15	12	3	s.	T. B. Wilder.	
Manteo.	Robeson.	102	27	75.7	+ 2.8	97	7 ^d	46	18	41	1.75	- 2.53	0.55	0.0	6					B. M. Davis.	
Marion.	Dare.	12	5	74.6		92	6	57	25	25	2.71		1.30	0.0	6	21	5	4	ne.	U. S. Weather Bureau.	
Moncure.	McDowell.	1,425	18	72.0	+ 2.8	95	6	44	17	30	4.75	- 0.13	1.10	0.0	9	10	19	1	w.	Sgt. Thomas McGuire.	
Monroe.	Chatham.	145	16	72.8	+ 0.9	93	6 ^d	42	18	34	2.93	- 1.00	0.77	0.0	10	13	4	13	ne.	B. J. Utley.	
Morganton.	Union.	588	18	73.4	+ 2.7	94	7 ^d	42	18	39	1.70	- 2.23	1.33	0.0	3	18	7	5	ne.	T. A. Ashcraft.	
Mt. Airy.	Burke.	1,135	23	71.0	+ 1.5	92	6	43	17	35	2.47	- 1.68	1.21	0.0	9	24	3	3	se.	H. D. Judd.	
Mt. Holly.	Surry.	1,048	22	70.6	+ 2.4	92	6	39	18	45	2.54	- 1.23	1.35	0.0	9	18	8	4	ne.	Prof. A. H. Merritt.	
Nashville.	Gaston.	816	13								5.33	- 1.43	2.86	0.0	8					J. W. Holland.	
Newbern.	Nash.	190	6	73.3		93	6 ^d	49	18	30	2.21		0.71	0.0	9	9	16	5	e.	J. B. Bodie.	
Pinehurst.	Craven.	12	23	73.4	- 0.2	94	6	51	17	34	5.06	- 0.10	2.24	0.0	11					General Office.	
Pittsboro.	Moore.	650	6	73.7		93	6 ^d	48	17	30	0.73		0.37	0.0	4	19	8	3	w.	B. M. Poe.	
Raleigh.	Chatham.	480	19	72.4	+ 1.8	92	6	43	18	33	2.60	- 1.30	1.10	0.0	5	21	1	8	sw.	U. S. Weather Bureau.	
Ramseur.	Wake.	390	39	73.4	+ 2.8	92	6	51	17	25	1.19	- 2.15	0.35	0.0	10	10	13	7	ne.	A. H. York.	
Randleman.	Pender.	442	3	73.4		97	7	40	18	48 ^c	2.23		0.79	0.0	7	23	0	w.	J. R. Walton.		
Reidsville.	Iredell.	950	22	72.0	+ 2.8	93	6	44	18	35	3.38	- 0.82	0.82	0.0	11	11	15	4	sw.	E. M. Redd.	
Rock House.	Macon.	3,100	18	66.2	- 0.1	83	7	44	17	28	5.77	- 0.88	1.46	0.0	14	10	16	4	e.	B. C. Hawkins.	
Rockingham.	Richmond.																				

TABLE 1.—Climatological data for September, 1910. District No. 2—Continued.

Stations.	Counties	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.			Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>South Carolina—Cont'd.</i>																					
Bowman.	Orangeburg.	100	9	76.1		98	7	48	16	37	4.61	—	1.68	0.0	7	20	8	2	w.	B. O. Evans.	
Calhoun Falls.	Abbeville.	508	17								3.25	—	0.82	1.46	0.0	3	17	5	8	ne.	M. L. Crisp.
Camden.	Kershaw.	222	44								3.72	—	0.08	0.96	0.0	7	3	9	9	n.	W. C. Brown.
Catawba.	York.	562	5								3.38	—	1.35	0.0	8	13	3	9	n.	Jas. C. Faris.	
Chappells.	Newberry.	402	5								2.60	—	1.60	0.0	3	20	0	10	w.	W. R. Zimmerman.	
Charleston.	Charleston.	48	40	77.2	+ 1.0	95	7	58	19	22	4.39	—	1.07	2.31	0.0	11	10	17	3	ne.	U. S. Weather Bureau.
Cheraw.	Chesterfield.	144	23	75.0	+ 1.8	95	9	47	18	38	3.57	—	0.00	1.32	0.0	12	16	8	6	e.	J. H. Powe.
Clemson College.	Oconee.	850	19	73.8	+ 0.4	89	7	51	17	28	6.19	+	2.41	4.31	0.0	5	25	0	5	n.	Prof. John N. Hook.
Columbia.	Richland.	351	23	75.6	+ 1.9	95	7	50	18	31	5.17	+	1.72	2.46	0.0	9	8	17	0	ne.	U. S. Weather Bureau.
Conway.	Horry.	25	18	76.1	+ 1.6	96	6	51	19	35	5.21	+	0.96	1.90	0.0	9	15	3	12	sw.	P. C. Quattlebaum.
Darlington.	Darlington.	175	15																	D. C. McCall.	
Dillon.	Dillon.	100	6	77.2	+ 2.6	96	7	47	18	32	3.70	+	0.09	1.55	0.0	9	32	1	7	sw.	A. E. Rowell.
Effingham.	Florence.	106	18								3.82	+	0.15	1.30	0.0	5	22	3	7	ne.	H. B. McCall.
Ferguson.	Berkeley.	51	2								2.10	—	0.4	1.19	0	4	19	2	13	n.	Pierre Gallard.
Florence.	Florence.	136	29	77.9	+ 3.1	103	7	48	18	42	2.32	—	1.90	0.87	0.0	8	16	2	13	ne.	H. K. Gilbert.
Georgetown.	Georgetown.	12	17	75.8	+ 0.2	93	7	54	17	30	5.49	+	1.81	1.77	0.0	5	17	13	0	ne.	A. P. Hazard.
Greenville.	Greenville.	989	18	73.0	+ 2.7	91	7	50	18	31	3.79	—	0.18	0.73	0.0	9	18	0	12	nw.	Mrs. S. A. Crittenden.
Greenwood.	Greenwood.	671	22	77.1	+ 3.9	100	7	49	17	36	1.59	—	2.18	0.99	0.0	4	16	1	13	w.	M. M. Calhoun.
Heath Springs.	Lancaster.	568	9	77.4		95	5	59	18	26	2.54	—	1.80	0.0	5	18	5	7	w.	J. A. Weaner.	
Jacksonboro.	Colleton.	13	2								2.12	—	0.52	0.5	0	7	14	7	7	e.	W. E. Haskell, Jr.
Kingstree.	Williamsburg.	54	22	76.8	+ 1.8	96	7	52	17	33	5.34	+	1.60	1.52	0.0	10	16	4	10	ne.	A. O. Matthews.
Liberty.	Pickens.	900	16	73.7	+ 1.0	94	7	48	18	35	2.57	—	2.07	0.65	0.0	10	18	9	3	ne.	Jno. T. Boggs.
Little Mountain.	Newberry.	711	17	75.4	+ 0.3	94	7	52	17	38	2.66	—	3.22	0.50	0.0	4	27	0	3	s.	Dr. J. M. Sease.
Meriwether.	Edgefield.	1	1	73.8		97	6†	47	18	37	3.11	—	1.37	0.0	3	12	14	4	e.	W. S. Middleton.	
Newberry.	Newberry.	502	6	75.7	+ 1.8	97	7	47	18	36	1.15	—	2.95	0.51	0.0	7	9	14	7	sw.	W. G. Peterson.
Palzer.	Anderson.	873	5								2.12	—	0.52	0.5	0	5	18	5	7	w.	John M. Ward.
Pinopolis.	Berkeley.	55	17								1.68	—	2.80	0.86	0.0	6	26	0	4	se.	Miss E. P. Ravenel.
St. George.	Dorchester.	109	23	77.0	+ 2.0	94	7	50	19	33	2.12	—	1.96	1.00	0.0	6	19	0	11	...	G. F. Lewis.
St. Matthews.	Cathoum.	209	22	75.0	+ 0.5	90	5†	54	18	26	4.63	+	1.14	1.70	0.0	9	19	0	11	...	J. S. Wannamaker.
Saluda.	Saluda.	530	8	74.8 ^m		97	7	46	18	35	2.13	—	2.05	0.0	0	3	30	0	11	...	Alvin Etheridge.
Santuc.	Union.	512	15	75.6	+ 2.8	98	7	47	18	37	0.97	—	2.40	0.38	0.0	7	12	14	4	e.	E. W. Jeter.
Smith Mills.	Williamsburg.	62	15								2.71	—	1.53	1.09	0.0	7	19	0	11	se.	W. G. Walker.
Society Hill.	Darlington.	192	19	73.8	+ 0.7	92	6†	50	18	25	2.00	—	2.19	0.88	0.0	8	14	11	5	ne.	Major J. J. Lucas.
Spartanburg.	Spartanburg.	875	19	77.2	+ 4.9	97	6	50	18	36	2.56	—	1.31	0.83	0.0	7	18	1	13	...	F. P. Robinson.
Summerville.	Dorchester.	75	13	74.6	- 0.2	94	7	52	17	32	1.11	—	2.67	0.59	0.0	11	9	20	1	sw.	Miss E. H. Gadsen.
Trenton.	Edgefield.	620	17	76.9	+ 1.7	95	7	52	18	29	1.05	—	2.14	0.83	0.0	2	15	14	1	s.	C. A. Long.
Trial.	Berkeley.	85	23																	Ettell Galliard.	
Walterboro.	Colleton.	69	6	78.4		100	7	50	18	40	1.64	—	0.64	0.0	0	8	10	20	0	...	J. A. Westerberg.
Winnisboro.	Fairfield.	545	21	75.0	+ 2.4	92	6†	52	17	23	2.23	—	1.23	0.60	0.0	7	17	13	0	e.	John W. Seliger.
Winthrop College.	York.	690	11	74.3	+ 1.5	92	6†	49	17	30	2.44	—	0.56	0.94	0.0	7	20	7	3	ne.	E. R. Rivers.
Yemassee.	Hampton.	23	15	75.4	- 0.1	95	7	50	19	38	2.82	—	1.26	1.33	0.0	8	16	1	13	...	J. G. Hutson.
<i>Georgia</i> .																					
Abbeville.	Wilcox.	7		74.0	+ 1.4	90	7	51	17	28	4.74	+	1.52	4.03	0.0	4	11	14 ^b	3 ^b	ne.	W. H. Calhoun.
Adairsville.	Bartow.	772	18	74.0	+ 1.4	90	7	51	17	35	3.38	+	0.34	1.20	0.0	7	19	2	9	ne.	Dr. J. P. Bowdoin.
Albany.	Dougherty.	230	25	79.0	+ 1.3	97	7	54	18	35	3.38	—	3.18	0.32	0.0	5	7	13	10	nw.	Geo. C. Brosnan.
Allapaha.	Berrien.	293	21	70.2	+ 2.5	98	7	54	18	33	0.77	—	1.53	0.72	0.0	4	17	4	9	ne.	James T. Austin.
Americus.	Sumter.	362	27	76.8	0.0	94	7	50	18	38	1.78	—	1.53	0.72	0.0	4	17	5	7	ne.	F. P. Harrold.
Athens.	Clarke.	694	33	74.5	+ 2.5	91	7	53	18	28	2.24	—	1.29	1.45	0.0	7	18	5	7	ne.	C. D. Cox.
Atlanta.	Fulton.	1,218	45	75.1	+ 3.1	92	8	55	17	24	0.72	—	2.79	0.36	0.0	6	15	9	6	ne.	U. S. Weather Bureau.
Augusta.	Richmond.	180	44	76.6	+ 1.7	96	7	54	18	30	1.99	—	2.23	1.35	0.0	5	16	9	5	ne.	U. S. Weather Bureau.
Bainbridge.	Decatur.	119	20	76.6	+ 2.3	100	7	51	18	39	2.87	—	1.13	1.20	0.0	7	23	0	10	...	Mrs. C. O. Wimberley.
Barnesville.	Pike.	875	2	75.4 ^d		94	7	52	16†	28	2.68	—	0.54	0.06	0.0	6	12 ^d	11 ^d	3 ^d	...	Prof. T. O. Galloway.
Blakely.	Early.	300	19	76.4	+ 2.3	103	7	51	17	36	2.57	—	1.13	1.00	0.0	5	13 ^a	14 ^a	2 ^a	s.	Ralph M. Hobbs.
Butler.	Taylor.	650	8								2.39	—	1.63	0.0	0	3	15	5	10	...	Mrs. Mamie F. Wallace.
Camak.	Warren.	613	17	75.5	+ 1.1	96	7	46	18	39	4.08	—	0.17	1.60	0.0	5	15	5	10	...	J. A. Chapman.
Canton.	Cherokee.	394	17								1.97	—	0.46	1.05	0.0	4	17	9	4	w.	G. W. Evans.
Carlton.	Madison.	557	11								1.32	—	2.43	1.32	0.0	2	20	0	10	e.	M. C. Power.
Clayton.	Rabun.	2,100	17	70.8	+ 2.3	90	7	43	17	28	3.28	—	1.83	1.30	0.0	5	20	7	3	ne.	A. J. Duncan.
Columbus.	Muscogee.	262	23	77.0	0.0	96	7	52	18	36	2.83	—	0.49	0.76	0.0	9	21	4	5	ne.	A. J. Land.
Covington.	Newton.	800	17								2.20	—	0.58	1.20	0.0	6	13	11	6	ne.	Mrs. Sarah E. Cruse.
Cuthbert.	Randolph.	446	11	78.0	+ 0.1	98	7	51	17	33	1.37	—	0.71	0.42	0.0	4	12	17	1	se.	Prof. W. McMichael.
Dahlonega.	Lumpkin.	1,519	18	72.3	+ 2.5	90	8	49	18	29	1.62										

TABLE 1.—Climatological data for September, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.			Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days .01 inch or more.	Number of clear days.	Number of partly cloudy days.	
<i>Georgia—Cont'd.</i>																		
Poulson.	Worth.	365	19	77.6	+ 1.1	98	7	49	18	41	2.97	- 0.58	0.75	0.0	9	19	7	4
Putnam.	Marion.	11	76.8	+ 0.3	100	6	48	18	38	0.40	- 3.51	0.40	0.0	1	12	11	7	
Quitman.	Brooks.	173	26	78.6	+ 1.0	97	6	49	18	37	0.98	- 3.79	0.35	0.0	4	20	5	10
Ramsey.	Murray.	1,363	17	72.4	- 0.3	89	22	53	17	30	1.84	- 1.42	0.68	0.0	9	15	11	4
Resaca.	Gordon.	657	17								3.30	+ 0.51	1.38	0.0	6	22	3	5
Rome.	Floyd.	576	55	75.2	+ 2.1	95	8	49	17	38	3.22	- 0.66	2.20	0.0	0	7	20	5
St. George.	Charlton.	4	78.0			95	5	52	18	33	0.42		0.33	0.0	2	21	9	0
St. Marys.	Camden.	20	19															
Savannah.	Chatham.	65	60	76.7	+ 0.3	95	7	56	18	25	3.64	- 1.81	1.20	0.0	9	14	10	6
Statesboro.	Bulloch.	253	10	78.5	+ 1.6	99	6	56	18	35	1.30	- 1.33	0.52	0.0	5	16	12	2
Talbotton.	Talbot.	750	17	75.8	+ 0.3	98	7	47	17	40	2.54	- 0.57	0.80	0.0	7	18	9	3
Tallapoosa.	Haralson.	1,150	18	75.3	+ 2.8	95	7	49	18	37	2.29	- 0.77	0.80	0.0	8	18	7	5
Thomasville.	Thomas.	273	27	77.9	+ 0.3	96	7	50	18	33	2.55	- 2.42	1.00	0.0	7	15	13	2
Tooeoa.	Stephens.	1,050	25	73.3	+ 2.1	90	6	53	17	37	2.25	- 2.20	0.70	0.0	3	22	0	7
Valdosta.	Lowndes.	219	5	80.0		100	22	55	18	41	2.00		2.00	0.0	7	16	6	8
Valona.	McIntosh.	10	10					53	20		2.83	- 2.67	2.05	0.0	3	22	7	1
Washington.	Wilkes.	630	23	77.0	+ 3.0	96	7	53	17	32	2.87	- 0.84	0.82	0.0	7	16	6	8
Waycross.	Ware.	131	21	79.0	+ 1.8	99	7	50	18	38	2.47	- 1.98	1.60	0.0	6	20	3	7
West Point.	Burke.	86	19	76.5	+ 2.8	97	6	46	18	41	4.79	- 1.80	1.70	0.0	7	18	3	10
Woodbury.	Troup.	620	22	77.0	+ 1.7	97	7	50	18	37	4.07	- 1.04	1.60	0.0	7	18	2	12
<i>Florida.</i>	Meriwether.	641	10	73.9	+ 0.8	95	8	45	19	34	3.82	+ 0.69	1.86	0.0	4	12	4	11
Apalachicola.	Franklin.	24	5	70.4		95	8	59	18	22	2.95		1.23	0.0	6	10	16	4
Arcadia.	De Soto.	61	78.8			95	5	58	21	31	6.21		3.28	0.0	9	19	7	4
Archer.	Alachua.	92	24	78.4	- 0.7	93	6	51	18	31	3.04	- 3.27	0.60	0.0	11	16	11	3
Avon Park.	De Soto.	150	11	80.7	+ 0.6	95	5†	63	20	27	2.26	- 4.02	0.66	0.0	11	16	11	3
Bartow.	Polk.	115	13			97	27†				2.52	- 6.12	1.95	0.0	5	9	13	8
Blountstown.	Calhoun.	2																
Bonifay.	Holmes.	111	8															
Brooksville.	Hernando.	128	17	81.0	+ 1.6	97	5†	60	18	28	1.39	- 5.72	0.64	0.0	4	18	10	2
Carrabelle.	Franklin.	10	13	79.4	+ 1.4	100	8	55	18	40	4.70	- 2.15	1.65	0.0	5	27	9	3
Cedar Keys.	Levy.	10	12	81.0	+ 1.7	93	5†	63	19	21	2.42	- 2.87	0.86	0.0	6	27	9	3
Clermont.	Lake.	105	16	81.8	+ 1.4	96	6†	60	19†	32	1.56	- 5.70	0.94	0.0	3	3	26	1
Defuniak Springs.	Walton.	193	14															
DeLand.	Volusia.	27	13	76.5	- 2.2	89	4†	54	20	30	1.05		0.83	0.0	9	12	15	3
Eustis.	Lake.	56	17	80.3	+ 0.8	96	6	56	19†	36	0.53	- 6.58	0.28	0.0	3	25	3	2
Federal Point.	Putnam.	5	17	78.6	+ 0.4	95	3	56	19	33	4.36	- 4.21	1.76	0.0	8	16	11	3
Fenolloway.	Taylor.	75	3															
Fernandina.	Nassau.	10	12	77.2	- 1.1	89	7	60	19	25	0.87	- 2.32	2.07	0.0	10	23	2	5
Fort Meade.	Polk.	125	17	80.3	+ 1.1	97	7†	54	21	36	1.06	- 7.83	0.52	0.0	6	20	8	2
Fort Myers.	Lee.	12	17	79.0	- 0.9	90	5	65	20	19	6.89	- 0.91	2.90	0.0	10	21	9	0
Fort Pierce.	St. Lucie.	6	18	78.2	- 2.3	88	4†	60	20	24	3.02	- 4.71	0.55	0.0	11			
Gainesville.	Alachua.	176	23	79.2	+ 1.2	94	5†	57	19	31	1.27	- 4.43	0.60	0.0	5	25	1	4
Grasmere.	Orange.	175	13	79.4	+ 0.2	95	5†	54	20	36	1.10	- 4.43	0.40	0.0	6	25	5	0
Hilliard.	Nassau.	69	1	77.6		95	5†	53	20	36	1.16		0.35	0.0	6			
Homestead.	Dade.	5		79.5		93	17†	66	17†	20	10.35		3.41	0.0	18	10	13	7
Huntingdon.	Putnam.	56	12															
Hypoluxo.	Palm Beach.	4	9	81.3	+ 0.5	95	27	66	21	24	3.26	- 6.53	1.53	0.0	9	19	10	1
Inverness.	Citrus.	43	8	79.4		93	7†	54	20	35	1.06	- 5.02	0.45	0.0	5	26	2	12
Jacksonville.	Duval.	101	37	78.6	+ 1.3	93	7	50	19	25	3.12	- 4.91	1.66	0.0	7	18	9	3
Jasper.	Hamilton.	152	11															
Johnstown.	Bradford.	125	14	79.0	+ 0.4	96	5	54	19	34	1.53	- 4.27	0.38	0.0	8	19	11	0
Jupiter.	Palm Beach.	34	21	80.4	- 0.2	90	28	68	17	19	4.92	- 4.64	3.06	0.0	13	9	20	1
Key West.	Monroe.	14	38	81.4	- 1.1	90	5	73	15	13	6.42	- 3.77	1.89	0.0	18	8	14	8
Kissimmee.	Osceola.	65	17	81.4	+ 1.3	90	6	57	20	35	0.74	- 6.92	0.45	0.0	4	21	6	3
Lake City.	Columbia.	210	20	78.6	- 0.1	95	6†	53	19	36	0.46	- 4.90	0.10	0.0	4	21	7	1
Live Oak.	Suwanee.	109	8	81.8		100	8	53	19	31	2.91	- 1.82	1.60	0.0	5	24	0	6
Macclellan.	Baker.	125	13	78.4	- 0.2	94	5†	49	19	37	0.63	- 4.43	0.40	0.0	2			
Madison.	Madison.	200	6	75.5		98	7	54	18	36	1.00	- 5.03	0.47	0.0	5	4	12	14
Malabar.	Brevard.	24	8	80.8		97	20	61	20	36	2.94		0.78	0.0	7	21	8	1
Manatee.	Manatee.	8	17															
Mariana.	Jackson.	80	9	77.8		97	7†	51	18	35	2.38		1.00	0.0	7	21	6	3
Meritts Island.	Brevard.	20	30	78.2	- 2.0	88	6†	65	20	16	5.50	- 2.35	1.53	0.0	10	5	24	1
Miami.	Dade.	5	13	81.4	0.0	93	5†	68	17	24	3.67	- 6.37	1.10	0.0	7			
Miami (Subtrop. Gar.).	do.	5																
Middleburg.	Clay.	10	8	78.2		95	10	52	19	38	2.78		1.30	0.0	4			
Molino.	Escambia.	49	8	77.3		97	23	49	18	43	3.35		1.49	0.0	5	23	6	1
Monticello.	Jefferson.	207	4	79.8		98	7	50	18	36	0.97		0.63	0.0	3	21	6	3
Mount Pleasant.	Gadsden.	260	5	77.0		98	7	48	18	27	3.29		1.72	0.0	10			
Newport.	Wakulla.	8		76.4		94	7	50	18									
New Smyrna.	Volusia.	9	21	76.4	- 2.2	92	12	59	19†	23	5.70	- 2.55	1.85	0.0	8			
Ocala.	Marion.	98	23	79.8	+ 1.0	96	10	54	19†	37	1.86	- 5.22	0.48	0.0	5	21	6	3
Orange City.	Volusia.	39	19	78.0	- 2.0	97	10†	50	20	40	1.85	- 5.12	1.29	0.0	3	19	9	2
Orlando.	Orange.	111	17	79.3	- 0.3	93	9	50	20	38	2.82	- 5.06	0.88	0.0	7	13	13	4
Pensacola.	Pensacola.	149	31	79.4	+ 1.5	95	8	64	18	38	2.57	- 3.66	1.63	0.0	3	12	11	7
Plant City.	Hillsborough.	121	17	78.6	- 0.9	92	4†	58	20	26	3.10	- 4.33	1.60	0.0	3	23	7	0
Rockledge.	Brevard.	28	1	79.2		91	5†	61	20	23	3.94		1.04	0.0	4	20	6	

TABLE 1.—Climatological data for September, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.			Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest. Date.	Lowest. Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Alabama—Cont'd.</i>																			
Calera.	Shelby.	500	9	76.4		90 21	50 18	40	1.59	0.67	0.0	5	27	1	2	e.	L. G. Privett.		
Camp Hill.	Tallapoosa.	738	6						2.37	1.58	0.0	4	21	5	5	e.	Dr. Lyman Ward.		
Cedar Bluff.	Cherokee.	594	6						3.30	1.75	0.0	4	17	10	4	s.	Joe L. Daniel.		
Citronelle.	Mobile.	331	22	78.8	+ 1.4	94 77	55 18	30	2.57	- 2.15	0.92	0.0	11	16	8	s.	George A. Maloneay.		
Clanton.	Chilton.	590	17	77.4	+ 2.5	97 87	49 18	35	2.54	+ 0.22	1.28	0.0	5	13	1	se.	Wallace C. Edler.		
Cochrane.	Pickens.								1.36	0.82	0.0	3	20	3	8	e.	E. L. Rose.		
Cordova.	Walker.	334	19	76.8	+ 3.5	96 8	46 18	43	2.83	- 0.09	1.27	0.0	5	18	12	s.	Scott Maxwell.		
Cullman.	Cullman.	802	2	75.8		95 22	47 18	38	1.89		1.23	0.0	3	14	15	1	ne.	Eugene A. Grayot.	
Dadeville.	Tallapoosa.	760	5						0.30	0.30	0.0	1	16	6	8	e.	Dr. W. B. Fulton.		
Daphne.	Baldwin.	19	78.6	+ 1.0	93	137	58 18	28 ^b	3.77	- 2.53	1.60	0.0	6	13	10	7	ne.	John H. Young.	
Demopolis.	Marengo.	18							2.66	+ 0.73	3.14	0.0	6	27	2	1	se.	George E. Pegram.	
Eufaula.	Barbour.	200	26	75.0	- 1.0	93 8	50 18	34	2.84	- 0.61	1.14	0.0	7	16	4	10	ne.	Dr. J. B. Whitlock.	
Evergreen.	Conecuh.	285	26	79.5	+ 3.3	100 7	50 18	40	2.36	- 1.20	0.98	0.0	6	23	0	7	s.	Robert L. Whitecomb.	
Flomaton.	Escambia.	91	18	77.4	+ 1.0	92 27	49 18	36	3.35	- 0.12	1.70	0.0	7	17	0	13	s.	T. J. Farris.	
Fort Deposit.	Lowndes.	520	28	78.2	+ 2.3	95 57	55 17	31	0.82	- 1.77	0.50	0.0	2	24	5	1	sw.	J. F. Hattemer.	
Gadsden.	Etowah.	621	26	77.2	+ 3.3	94 22	51 18	33	2.64	- 0.80	0.76	0.0	7	19	1	10	ne.	D. P. Goodhue.	
Goodwater.	Coosa.	826	15	76.6	+ 0.8	95 22	49 18	37	2.92	+ 0.26	1.72	0.0	4	27	0	3	sw.	D. S. Brown.	
Greensboro.	Hale.	220	31	78.2	+ 3.0	93 87	55 18	23	1.51	- 1.46	0.46	0.0	5	28	1	1	e.	W. E. W. Yerby.	
Greenville.	Butler.	444	9						0.82	0.32	0.0	4	27	0	3	ne.	E. M. Lewis.		
Hamilton.	Marion.	14	79.0	+ 3.8	101 27	48 18	45	0.64	- 2.12	0.32	0.0	3	20	3	7	n.	Prof. H. O. Sargent.		
Highland Home.	Crenshaw.	178	8.4	+ 2.2	96 77	56 17	31 18	0.76	- 1.70	0.20	0.0	5	21	4	5	ne.	Prof. Samuel Jordan.		
Livingston.	Sumter.	160	26	78.2	+ 2.5	94 77	50 18	34	2.18	- 0.22	0.90	0.0	5	26	0	4	e.	Robert L. King.	
Lock No. 4.	Talladega.	510	13	77.0	+ 2.9	97 7	43 19	2.20	- 0.63	0.90	0.0	7	23	0	7	n.	U. S. Engineers.		
Lucy.	Houston.	5															A. L. Crosby.		
Maple Grove.	Cherokee.	17	76.6	+ 3.6	97 8	49 16	36	1.10	- 2.34	0.74	0.0	5	19	20	0	ne.	Mrs. A. L. Awbery.		
Mentone.	DeKalb.	1,595	3						0.65	0.65	0.0	1	25	2	3	sw.	E. Mason.		
Milstead.	Macon.	7							1.20	0.48	0.0	5	20	10	0	ne.	U. S. Weather Bureau.		
Mobile.	Mobile.	57	38	80.2	+ 3.7	95 22	61 18	25	1.07	- 3.05	0.53	0.0	8	11	17	2	n.	Do.	
Montgomery.	Montgomery.	240	38	78.4	+ 2.6	95 8	55 18	30	1.26	- 1.62	1.05	0.0	6	20	8	2	e.	Dr. J. Huggins.	
Newbern.	Hale.	17	79.1	+ 2.3	97 87	51 18	37	1.82	- 0.37	0.72	0.0	6	16	11	3	s.	Aquilla J. Ketchum.		
Oeoneta.	Blount.	857	16	75.4	+ 2.6	92 87	45 18	39	4.14	+ 1.09	1.30	0.0	10	6	2	22	n.	A. H. Read, Jr.	
Opelika.	Lee.	817	31	76.0	+ 1.4	95 21	52 17	29	2.60	- 0.13	1.40	0.0	6	18	3	9	e.	Miss Lucy Sellers.	
Ozark.	Dale.	400	8	78.5		95 7	54 18	32	1.60	0.75	0.0	4	19	10	1	s.	Jos. B. Bell.		
Prattville.	Autauga.	281	10	77.0	+ 1.4	98 13	48 18	36 ^a	2.05	0.80	0.0	4	17	13	0	e.	E. A. Carr.		
Pushmataha.	Choctaw.	19	79.0	+ 3.3	101 8	47 18	42	2.75	- 0.20	1.15	0.0	7	18	8	4	ne.	Charles F. Brislin.		
Selma.	Dallas.	147	30	76.4	- 0.1	97 22	49 18	33	2.10	- 0.04	0.86	0.0	5	24	4	2	e.	Spring Hill College.	
Spring Hill.	Mobile.	312	6	80.0		97 22	58 18	30	1.13	0.49	0.0	7	7	10	13	n.	Dr. Charles S. Northen.		
Talladega.	Talladega.	554	20			98 27		2.25	- 0.43	0.85	0.0	5	21	2	7	...	P. A. Noble.		
Tallasse.	Elmore.	19							4.14	+ 1.76	1.96	0.0	10	19	3	9	c.	J. G. Forster.	
Thomasville.	Clarke.	385	19	76.6	+ 0.5	95 14	49 18	36	2.74	- 0.03	1.01	0.0	7	24	3	3	n.	C. S. Tutwiler.	
Troy.	Pike.	581	2	78.9		100 14	55 17	34	0.68	0.35	0.0	5	19	5	3	e.	W. S. Wyman, jr.		
Tuscaloosa.	Tuscaloosa.	230	29	79.5	+ 4.1	98 8	54 18	31	0.61	- 2.25	0.34	0.0	4	24	0	6	s.	Prof. George W. Carver.	
Tuskegee.	Macon.	10	79.2	+ 1.3	97 14	51 18	35	2.86	+ 0.96	0.95	0.0	4	1	28	1	n.	P. L. Cowan.		
Union Springs.	Bullock.	216	23	77.0	+ 1.9	94 8	54 18	29	4.67	+ 1.51	1.60	0.0	7	23	3	2	se.	F. D. Stevens.	
Uniontown.	Perry.	273	24	78.4	+ 2.0	98 22	52 18	33	3.24	+ 0.59	1.06	0.0	4	15	0	15	nw.	M. T. Floyd, M. D.	
Valley Head.	DeKalb.	1,631	25	75.9	+ 2.7	95 8	49 18	32	2.43	- 0.75	1.55	0.0	5	23	0	6	se.	U. S. Engineers.	
Wetumpka.	Elmore.	205	18	79.5	+ 2.4	99 8	49 18	40	1.60	- 1.92	0.33	0.0	3	24	0	6	e.	L. D. Godfrey, Jr.	
<i>Mississippi.</i>																	E. R. Lloyd.		
Aberdeen.	Monroe.	210	22	78.4	+ 5.0	97 7	51 18	37	0.23	- 2.54	0.22	0.0	1	22	7	1	n.	Brother Stanislaus.	
Agricultural College.	Oktibbeha.	424	20						0.55	+ 1.19	2.50	0.0	10	14	9	7	se.	Miss M. Josie Pope.	
Bay St. Louis.	Hancock.	23	17	79.2	+ 0.3	96 87	64 20	29	6.53	- 2.10	1.10	0.0	11	16	9	5	se.	Dr. D. T. Price.	
Biloxi.	Harrison.	24	19	80.0	+ 1.7	98 87	60 19	29	4.47	- 1.27	0.85	0.0	3	16	14	0	s.	W. J. Bee.	
Booneville.	Prentiss.	504	18	76.8	+ 2.9	94 23	54 17	30	1.26	- 1.27	0.85	0.0	9	17	7	6	w.	N. R. Drummond.	
Brookhaven.	Lincoln.	500	22	79.2	+ 2.8	99 23	53 18	36	3.87	+ 0.26	1.28	0.0	9	17	3	5	nw.	J. B. Love.	
Columbia.	Marion.	110	6						3.54	- 1.27	0.85	0.0	7	23	3	2	se.	D. H. Miller.	
Crystal Springs.	Hinds.	191	22	79.2	+ 3.3	99 51	48 18	42	0.75	- 2.42	0.50	0.0	2	18	9	3	se.	J. Y. Blocker.	
Edinburg.	Copiah.	468	18	78.0	+ 1.7	95 22	54 18	36	3.38	+ 0.35	1.50	0.0	10	20	10	0	se.	J. B. Thompson.	
Enterprise.	Leake.	2	77.5			98 22	48 18	40	0.74	0.35	0.0	0	5	16	14	0	se.	A. L. Summers.	
Fulton.	Clarke.	248	5						2.31	1.00	0.0	6	19	5	6	n.	T. C. Spence.		
Hattiesburg.	Itawamba.	1							2.66	2.20	0.0	5	19	5	6	n.	J. D. Granberry.		
Hastingsburg.	Forest.	189	17	73.6	+ 2.1	100 8	62 18	107	35 ^a	- 0.17	1.98	0.0	5	19	2	9	n.	A. C. Halley.	
Hickory.	Copiah.	460	20	78.2	+ 1.5	98 22	52 18	187	39	6.74	+ 4.11	2.20	0.0	10	24	4	2	n.	B. H. Klyle.
Jackson.	Newton.	326							3.15	1.54	0.0	4	16	3	3	se.	Mrs. Eddie McNeil.		
Lake.	Hinds.	280	23	79.8	+ 3.7	99 23	51 18	30	1.69	- 1.21	0.70	0.0	6	18	12	0	e.	C. Thigpen.	
Lake Como.	Scott.	446	23	79.8	+ 4.3	95 51	57 18	28	2.20	- 0.52	1.50	0.0	2	26	1	3	ne.	Thomas W. Flynt.	
Laurel.	Jasper.	7							2.31	0.99	0.0	9	18	10	2	ne.	Dr. Sam Pool.		
Leakesville.	Jones.	241	6	78.8		97 81	50 18	37	2.26	- 2.90	0.60	0.0	5	22	5	3	...	B. T. Webster.	
Louisville.	Greene.	16	79.4	+ 1.5	101 21	49 18	177	41	1.89	- 1.62	0.41	0.0	4	16	3	3	se.	Prof. E. B. Ferris.	
McNeill.	Winston.	561	21	77.2	+ 2.2	98 23	51 18	39	1.08	- 1.62	0.41	0.0	4	22	5	3	e.	Finis E. Carlton.	
Merrill.	Pearl River.	230	7	78.2		96 22	56 18	187	34	3.11	1.00	0.0	10	11	16	3	se.	Miss Ruby V. Roberts.	
Monticello.	Noxubee.	185	22	79.2	+ 4.1	98 51	50 18	40	1.18	0.62	0.0	4	22	5	3	e.	U. S. Weather Bureau.		
Okolona.	Pike.	415	14	78.2	+ 1.4	96 22	52 18												

TABLE 2.—Daily precipitation for September, 1910. District No. 2, South Atlantic and east Gulf States.

TABLE 2.—*Daily precipitation for September, 1910. District No. 2—Continued.*

Stations.	River basins.	Day of month.																														Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<i>South Carolina—Cont'd</i>																																			
Clemson College	Savannah	4	31																																6.19
Columbia	Congaree	70	2	42	.04	T.				.01		.29	.02	.56																		5.17			
Conway	Waccamaw	.03		1.90						.13		1.80	.85	.05																		5.21			
Darlington	Pedee																																		
Dillon	Little Pedee																																	3.70	
Effingham	Lynch's																																	3.72	
Ferguson	Santee																																	3.82	
Florence	Pedee	.30		.06						.31		.46	.06																				2.32		
Georgetown	Ocean			1.56								T.																						5.49	
Greenville	Saluda	.73	.02	.20	.50	T.				.49																							3.79		
Greenwood	do	.99		.14																														1.59	
Heath Springs	Wateree			.40																														2.54	
Jacksonboro	Edisto																																		
Kingstree	Black			.05		.74																											5.34		
Liberty	Savannah	.60	T.	.65	.05					.20																							2.57		
Little Mountain	Saluda	.04	.10																															0.68	
Meriwether	Savannah	.70	T.							L	37																						2.66		
Newberry	Saluda	.19	.10	.19																													1.15		
Pelzer	do	.52																																2.12	
Pinopolis	Cooper																																	1.68	
St. George	Edisto																																	2.13	
St. Matthews	Santee	.43		.20	.02																												4.63		
Saluda	Saluda	.04	.04																														2.13		
Santuc	Broad	.05	.04																														0.97		
Smith Mills	Pedee	.31																															2.71		
Society Hill	do	.31	.04	.11																													2.00		
Spartanburg	Broad	.82		.02	.83																											2.56			
Summerville	Ashley	T.	.14	.03																													1.11		
Trenton	Edisto	T.	T.	.22																													1.05		
Trial	Santee																																		
Walterboro	Ashepoo			.01	.25					.18																						1.72			
Winnsboro	Broad	.20	.15	.13						.25		.40	T.																			2.23			
Winthrop College	Catawba	.09	.22	.94	T.																											2.44			
Yemassee	Combahee																																2.82		
<i>Georgia.</i>																																			
Abbeville	Ocmulgee																																2.42		
Adairsville	Coosa	4	02																														4.74		
Albany	Flint	.36	.06	1.20																													3.38		
Allapaha	Alapaha																																0.77		
Americus	Flint	.46		.60																													1.78		
Athens	Oconee	1.45	.05	.31	.02																											2.24			
Atlanta	Chattahoochee	.03	.19	.11																													0.73		
Augusta	Savannah	.28	.08																														1.99		
Bainbridge	Flint	.30	T.	.20	T.																												2.87		
Barnesville	do	.27	.17																														2.68		
Blakely	Chattahoochee	.85																															2.57		
Butler	Flint																																2.39		
Camak	Savannah	.77																															4.08		
Canton	Coosa	1.05		.12	T.																											1.97			
Carlton	Savannah																																1.32		
Clayton	Savannah	T.																															3.23		
Columbus	Chattahoochee	.32		.45	.42																											2.33			
Covington	Ocmulgee	.15		.20																												2.20			
Cuthbert	Chattahoochee	.04	.71																													1.37			
Dahlonega	do	.26	.43																														2.37		
Diamond	Tennessee	1.00	.04	.18																												2.27			
Dublin	Oconee			.14	.08	.10																										0.54			
Dudley	do			.38	.10																											0.91			
Eastman	Ocmulgee	T.																														1.64			
Eatonton	Coosa	.20		.21	.68	.03																										1.21			
Elberton	Savannah																															1.15			
Experiment	Chattahoochee																															1.40			
Fort Gaines	do																															4.19			
Gainesville	do																															3.15			
Gillsville	Oconee	.10		.4																															

TABLE 2.—*Daily precipitation for September, 1910. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for September, 1910. District No. 2—Continued.*

Stations.	River basins.	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.	
Alabama—Cont'd.																																		
Livingston	Tombigbee	.06	.46																															2.18
Lock No. 4	Coosa	.56		.05	.07																												2.20	
Lucy	Chattahoochee																																	
Maple Grove	Coosa	.74	.12	.06		T.	.12		T.	T.												T.	T.										1.10	
Mentone	do																																	0.65
Mistleall	Tallapoosa	.26																																1.20
Mobile	Coast	.04	.12	T.	.06																													1.07
Montgomery	Alabama	.11	.07		.01																												1.26	
Newbern	Black Warrior	.06	T.	.04	.72																												1.62	
Oneonta	do	1.22	.18	.02																													4.14	
Opelika	Tallapoosa	.10	.12																														2.60	
Osark	Coast	.75																															1.60	
Prattville	Alabama	.77	.43	.80																													2.05	
Pushmataha	Tombigbee	.18	.08	.44	.35																												2.75	
Selma	Alabama	.14	.60	.34																													2.10	
Spring Hill	Coast	.05																															1.13	
Talladega	Coosa	.85	.65																														2.25	
Tallassee	Tallapoosa	1.96	.96	.52	.02	.04																											4.14	
Thomasville	Tombigbee	T.	1.01	.06	T.	T.																											2.74	
Troy	Escambia	.35		.02		T.																											0.68	
Tuscaloosa	Black Warrior	.02	.20	T.																													0.61	
Tuskegee	Tallapoosa	T.	.75	.30	.86																												2.86	
Union Springs	do	.36	1.04	.10																													4.67	
Uniontown	Black Warrior	.04		T.	.70																												3.24	
Valley Head	Coosa	15.155	T.																														2.43	
Wetumpka	do	.33		.17																													0.60	
<i>Mississippi.</i>																																		
Aberdeen	Tombigbee																																	0.22
Agricultural College	do																																	
Bay St. Louis	Coast	50.1.05		.04																													6.53	
Biloxi	do	55.1.071.10	.41	.02																													4.47	
Booneville	Tombigbee	.85		T.	.21	.26																										1.26		
Brookhaven	Pearl	.02	.50	.30	.02	1.28																										3.37		
Columbia	Tombigbee	T.	T.																														3.54	
Columbus	Pearl	.10	.04	.03	26.1.50																											0.75		
Crystal Springs	Pearl	.15		.07																													3.38	
Edinburg	do	.60	.03																														0.74	
Enterprise	Chickasawhay	.60	.03																														2.31	
Fulton	Tombigbee	.50	2.20	.02																													2.96	
Hattiesburg	Leaf	T.																															4.12	
Hazlehurst	Pearl	.03	.89	.32	.02	1.44																										6.74		
Hickory	Chickasawhay	.85																															3.15	
Jackson	Pearl	T.	.13	T.	.10	T.	.04																										1.69	
Lake	do	T.	T.	T.																													2.20	
Lake Como	Leaf																																	
Laurel	do	T.	T.	T.																													2.26	
Leakeville	Chickasawhay																																	1.89
Louisville	Pearl	.05																															1.08	
McNeill	do	1.00	.90	.20	.18	.10																											3.11	
Macon	Tombigbee	T.																																1.19
Magnolia	Pearl	.24	.45	.47	.01	T.	T.																										2.00	
Meridian	do	20	.04	T.	.04																											0.83		
Merrill	Pascagoula	.20	.10	.28	.08																											2.48		
Monticello	Pearl	.37	.50	.04	.01																											1.36		
Okolona	Tombigbee																																0.47	
Pascagoula	Coast	1.73	1.51	.04	.04	.57																										8.24		
Pearl River	Pearl	1.00	.21																													5.61		
Pearlton	Tombigbee	.80	.03																													4.36		
Porterville	do	T.																														2.76		
Shubuta	Chickasawhay	1.22	.02																													3.59		
Waynesboro	do	T.	.05	.15	.45	.05	.86																									0.77		
Woodland	Tombigbee																																	
Louisiana	Pearl	.58	.18																															

TABLE 3.—Maximum and minimum temperatures at selected stations, September, 1910. District No. 2, South Atlantic and east Gulf States.

Date.	Virginia.										North Carolina.										Charleston, S. C.							
	Lynchburg.		Norfolk.		Richmond.		Sav.		Charlotte.		Edenton.		Fayetteville.		Hatteras.		Newbern.		Raleigh.		Reidsville.		Salisbury.		Wilmington.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.								
1.	86	70	86	70	85	69	77	66	85	67	86	68	88	70	84	75	89	69	86	70	88	66	89	70	86	73	87	77
2.	85	67	77	70	77	68	78	67	87	70	84	67	90	70	85	74	89	70	87	70	90	67	96	70	86	72	89	74
3.	83	66	85	70	84	69	86	69	83	70	86	67	86	70	85	73	89	68	83	70	90	67	92	67	85	72	89	73
4.	89	67	89	73	90	69	91	68	88	70	88	71	92	70	85	77	93	72	93	71	92	68	93	73	90	73	89	77
5.	91	69	90	73	91	70	94	68	89	70	91	73	93	71	85	78	93	71	91	72	92	68	92	74	89	75	88	77
6.	93	72	92	75	93	74	95	69	90	72	91	73	94	72	85	77	94	71	92	74	93	68	96	74	92	74	92	77
7.	89	67	87	73	89	71	91	67	88	70	90	72	93	74	86	75	93	71	90	72	92	69	91	72	95	76	92	
8.	87	63	85	72	86	66	91	61	90	68	86	66	91	70	87	73	91	52	89	69	92	64	92	63	86	72	86	78
9.	86	68	88	70	89	68	92	61	86	69	90	70	95	70	86	73	92	69	90	66	90	66	90	69	88	74	82	73
10.	68	63	75	68	74	62	71	61	60	85	65	74	65	66	82	74	83	65	72	63	75	64	82	68	82	73	82	73
11.	76	61	76	70	78	66	83	63	81	62	81	65	85	67	81	74	84	66	83	65	91	63	84	60	84	60	84	73
12.	81	67	77	68	83	65	86	67	83	64	82	63	86	67	79	71	84	65	85	67	86	71	83	68	83	74	83	
13.	86	64	79	68	83	64	87	60	87	65	83	58	87	68	79	71	85	59	85	66	90	63	84	66	86	72	86	
14.	74	59	80	65	70	61	76	67	81	68	81	60	86	67	81	70	78	60	82	67	81	63	84	69	84	72	86	
15.	72	53	68	61	73	53	74	55	70	58	75	58	75	60	76	69	69	63	60	56	87	54	74	58	72	65	79	66
16.	72	47	70	64	73	52	71	42	72	51	72	52	72	67	75	53	72	52	75	47	75	44	74	57	76	64	74	
17.	72	45	70	60	74	51	76	50	71	51	73	53	76	50	72	66	74	51	73	51	76	47	75	55	75	61		
18.	78	42	76	53	78	48	81	40	77	51	74	50	79	58	71	65	73	53	75	54	82	49	80	45	77	80	80	
19.	80	58	70	60	71	60	82	52	83	58	89	50	84	53	76	64	78	51	81	56	85	56	83	48	82	57	80	58
20.	81	62	82	63	83	62	88	59	86	65	89	63	88	63	80	70	87	53	83	65	88	60	84	65	84	66	86	
21.	86	60	87	67	85	61	90	54	86	60	83	65	93	63	81	73	89	61	85	64	90	62	88	62	86	71	85	74
22.	75	62	75	67	76	64	84	64	81	63	86	65	82	62	84	64	84	61	81	62	86	63	84	69	82	73		
23.	73	63	80	67	80	62	82	64	85	65	82	60	86	65	80	71	84	64	82	65	82	63	83	68	81	68		
24.	82	62	81	68	84	66	88	60	86	65	81	62	89	64	79	72	85	65	83	62	87	66	88	66	82	72		
25.	83	62	90	66	83	62	88	61	83	64	79	58	86	65	78	70	78	62	81	65	87	66	88	61	86	69		
26.	85	60	82	62	85	61	91	56	86	64	80	56	89	59	81	68	85	60	83	62	88	60	88	65	82	69		
27.	85	61	83	63	85	62	88	58	85	64	81	56	83	62	81	70	77	62	82	62	86	67	87	69	85			
28.	84	62	81	67	82	60	87	57	84	65	83	52	90	62	86	78	84	64	86	55	87	60	85	65	85	67		
29.	73	56	72	64	75	54	87	57	73	60	78	52	76	58	76	68	80	62	76	61	72	65	79	59	80	66		
30.	85	60	74	63	72	55	68	57	73	61	73	54	77	62	75	67	79	59	68	62	79	60	79	64	80	71		
31.																												
Mns	80.7	61.4	79.9	66.8	81.0	62.5	84.1	59.8	82.3	63.9	81.9	61.3	85.8	64.4	80.3	71.2	83.9	63.0	82.2	64.5	85.3	61.4	86.1	61.5	82.8	67.2	83.5	70.8

Date.	South Carolina.										Georgia.										Savannah.					
	Columbia.		Conway.		Georgetown.		Greenville.		Newberry.		Society Hill.		Trial.		Adairsville.		Albany.		Atlanta.		Augusta.		Dahlonega.		Macon.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.						
1.	87	72	91	70	87	73	83	69	89	73	86	72	86	67	93	73	86	70	85	73	85	68	88	71	88	75
2.	87	71	92	69	90	73	85	68	90	70	88	70	86	68	94	74	84	72	84	70	87	67	86	70	89	73
3.	87	70	92	71	85	71	80	68	87	70	85	71	88	67	91	72	84	69	84	72	81	67	84	73	86	74
4.	90	72	93	72	90	75	87	69	91	70	88	78	86	67	92	72	84	69	86	70	88	67	89	73	89	73
5.	92	73	94	72	92	74	88	69	93	74	89	74	89	67	94	70	88	71	92	73	88	67	90	70	92	74
6.	93	73	96	73	92	73	90	69	95	71	92	74	94	67	96	72	90	71	93	74	88	66	94	71	91	74
7.	95	75	95	74	93	78	91	69	97	71	92	72	95	67	97	74	91	73	96	74	98	68	94	72	95	74
8.	90	72	91	74	86	74	87	68	93	71	89	71	91	66	95	73	92	70	91	76	90	66	90	72	98	73
9.	91	69	94	73	89	71	87	70	89	72	91	68	93	68	98	70	90	69	99	69	93	66	90	71	88	73
10.	82	68	88	68	84	71	67	82	88	68	94	65	95	64	90	72	94	63	98	68	77	63	83	65	88	69
11.	83	66	86	69	85	70	80	63	84	65	82	66	83	63	86	71	80	64	82	69	83	62	82	70	84	68
12.	85	67	85	62	84	64	86	64	83	68	85	65	88	67	85	70	85</td									

